

**ANSI/BHMA A156.31-2001
American National Standard for Electric Strikes and Frame Mounted
Actuators**

Standard ANSI/BHMA A156.31 establishes requirements for electric strikes and frame-mounted actuators, and includes definitions, general information and tests (required equipment and procedures). Illustrations, type numbers and descriptions are provided for mortised, semi-rim mounted and rim mounted devices.

Tests and required results in this standard include:

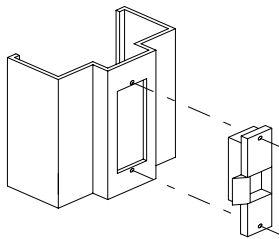
- Cycle
- Strength
- Finish

Product grades are defined by progressive performance benchmarks in the given tests, with Grade 1 being the highest level of performance. For example, in the “static strength test,” a Grade 1 electric strike must be able to withstand 1500 lbf, as compared to a Grade 3, which is required to withstand 500lbf. The last digit of the product number identifies the grade of a BHMA product.

The following are partial descriptions of test values:

Tests for Electric Strikes	Grade 1	Grade 2	Grade 3
Cycle	500,000	300,000	100,000
Static Strength—Voltage @ 100% and 85% of rated	1500 lbf (6670 N)	1000 lbf (4450 N)	500 lbf (2220 N)
Dynamic Strength—Voltage @ 100% and 85% of rated	70 ft. lb (95J)	50 ft. lb (68J)	33 ft. lb (45J)

Sample Illustration:



8.1.1 Semi Rim Mounted E09311, E09312, E09313:
For use with rim exit devices and surface vertical rod exit devices.

To purchase a copy of any
BHMA Standard log on to
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Note: This document is not to be used as a substitute for the standard. Users should refer to the entire standard for complete requirements and details. For further information go to www.buildershardware.com.